

Title (en)
PROCESS FOR PRODUCTION OF PHOSPHINE-BORANE COMPLEXES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PHOSPHIN-BORAN-KOMPLEXEN

Title (fr)
PROCEDE DE PRODUCTION DE COMPLEXES PHOSPHINE-BORANE

Publication
EP 1626052 A4 20090107 (EN)

Application
EP 04733647 A 20040518

Priority
• JP 2004007032 W 20040518
• JP 2003140671 A 20030519

Abstract (en)
[origin: EP1626052A1] A process for the production of phosphine-borane complexes represented by the general formula: or salts thereof: [wherein R 1 , R 2 and R 3 are each independently a hydrogen atom, a halogen atom, an optionally substituted alkyl group, an optionally substituted cycloalkyl group, an optionally substituted aryl group, or an optionally substituted heterocyclic group (with the proviso that R 1 and R 2 together with the adjacent phosphorus atom may form a 4- to 6-membered ring)], characterized by converting a compound represented by the general formula: in a solvent in the presence of a borane reagent: [wherein each symbol is as defined above].

IPC 8 full level
C07F 9/50 (2006.01); **C07F 5/02** (2006.01)

CPC (source: EP KR US)
C07F 5/02 (2013.01 - KR); **C07F 9/50** (2013.01 - KR); **C07F 9/5045** (2013.01 - EP US)

Citation (search report)
[PX] STANKEVIC M ET AL: "An expedient reduction of sec-phosphine oxides to sec-phosphine-boranes by BH3.SMe2", SYNLETT, no. 7, 20 May 2003 (2003-05-20), pages 1012 - 1016, XP008059417, ISSN: 0936-5214

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